

WHAT IS CLAIMED IS:

1. A sheet transport apparatus that re-
transports a sheet having an image formed by an image
forming portion on a first surface of the sheet, to
5 the image forming portion so as to form an image on a
second surface, opposite to the first surface, of the
sheet, said the sheet transport apparatus comprising:
a re-transport path through which the sheet
having the image on the first surface of the sheet is
10 re-transported to the image forming portion;
cooling means for blowing air against the sheet
passing through said re-transport path in order to
cool the sheet; and
an electrical substrate,
15 wherein the air after cooling the sheet by
having been blown from said cooling means against the
sheet is prevented from striking said electrical
substrate.
- 20 2. A sheet transport apparatus according to
claim 1, further comprising a cooling air path which
is provided between said cooling means and said re-
transport path and through which the air blown by
said cooling means flows into said re-transport path,
25 wherein said electrical substrate is arranged at
a position off said cooling air path.

3. A sheet transport apparatus according to claim 2, further comprising a duct member constituting said cooling air path,

5 wherein said electrical substrate is arranged in a side portion in a direction that is perpendicular to a direction in which the air flows through said duct member.

4. A sheet transport apparatus according to claim 1, further comprising a cooling air path which is provided between said cooling means and said re-transport path and through which the air blown by said cooling means flows into said re-transport path,

15 wherein said electrical substrate is arranged on an upstream side in a direction in which the air flows through said cooling air path.

5. A sheet transport apparatus according to claim 1, wherein said cooling means is a fan, and
20 wherein said electrical substrate is arranged on an inlet side of said fan.

6. A sheet transport apparatus according to claim 1, further comprising a duct member for causing
25 the air blown by said cooling means to flow into the re-transport path,

wherein said electrical substrate, said cooling

means, said duct member, and said re-transport path are arranged in the named order from an upstream side along a flowing direction of the air blown by said cooling means.

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7. A sheet transport apparatus according to claim 1, wherein said electrical substrate is a control substrate that controls a re-transporting operation for the sheet.

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8. An image forming apparatus having a sheet transport apparatus that re-transport a sheet having an image formed by an image forming portion on a first surface of the sheet, to the image forming portion in order to form an image on a second surface, opposite to the first surface, of the sheet, said image forming apparatus comprising:

said image forming portion;

a re-transport path through which the sheet having the image formed on the first surface of the sheet is re-transported to said image forming portion;

cooling means for blowing air against the sheet passing through said re-transport path in order to cool the sheet; and

an electrical substrate,

wherein the air after cooling the sheet by

having been blown from said cooling means against the sheet is prevented from striking said electrical substrate.

5 9. An image forming apparatus according to claim 8, wherein said re-transport path, said cooling means, and said electrical substrate are integrated into a unit that is detachably attachable to a main body of said image forming apparatus.

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10. An image forming apparatus comprising:

a photosensitive drum on which a toner image is formed;

15 a fixing roller that heats and pressurizes a sheet onto which the toner image has been transferred from said photosensitive drum;

a re-transport path that connects a downstream side path of said fixing roller and an upstream side path of said photosensitive drum;

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a fan that blows air; and

an electrical substrate,

25 wherein said electrical substrate, said fan, and said re-transport path are arranged in the named order from an upstream side along a flowing direction of the air blown from said fan.

11. An image forming apparatus according to

claim 10, wherein said electrical substrate, said fan, and said re-transport path are integrated into a unit that is detachably attachable to a main body of said image forming apparatus.